


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER NBU 920-12K		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6587		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0144868B		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1913 FSL 2179 FWL	NESW	12	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	1913 FSL 2179 FWL	NESW	12	9.0 S	20.0 E	S
At Total Depth	1913 FSL 2179 FWL	NESW	12	9.0 S	20.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1913		23. NUMBER OF ACRES IN DRILLING UNIT 600		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000		26. PROPOSED DEPTH MD: 10700 TVD:		
27. ELEVATION - GROUND LEVEL 4694		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		

ATTACHMENTS**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
NAME Kevin McIntyre	TITLE Regulatory Analyst I
SIGNATURE	DATE 09/25/2008
PHONE 720 929-6226	EMAIL Kevin.McIntyre@anadarko.com
API NUMBER ASSIGNED 43047501240000	APPROVAL  Permit Manager

DATE SURVEYED: 07-29-08	SURVEYED BY: M.S.B.	SHEET 1 OF 9
DATE DRAWN: 07-31-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

WELL PAD LEGEND

- WELL LOCATION
- EXISTING CONTOURS (1' INTERVAL)
- PROPOSED CONTOURS (1' INTERVAL)

WELL PAD NBU 920-12K QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,694.4'
FINISHED GRADE ELEVATION = 4,693.8'

CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 2,645 C.Y.

TOTAL FILL FOR WELL PAD = 2,324 C.Y.

TOPSOIL @ 6" DEPTH = 2,888 C.Y.

TOTAL DISTURBANCE = 3.58 ACRES

SHRINKAGE FACTOR = 1.15

SWELL FACTOR = 1.00

RESERVE PIT CAPACITY (2' OF FREEBOARD)

+/- 25,880 BARRELS

RESERVE PIT VOLUME

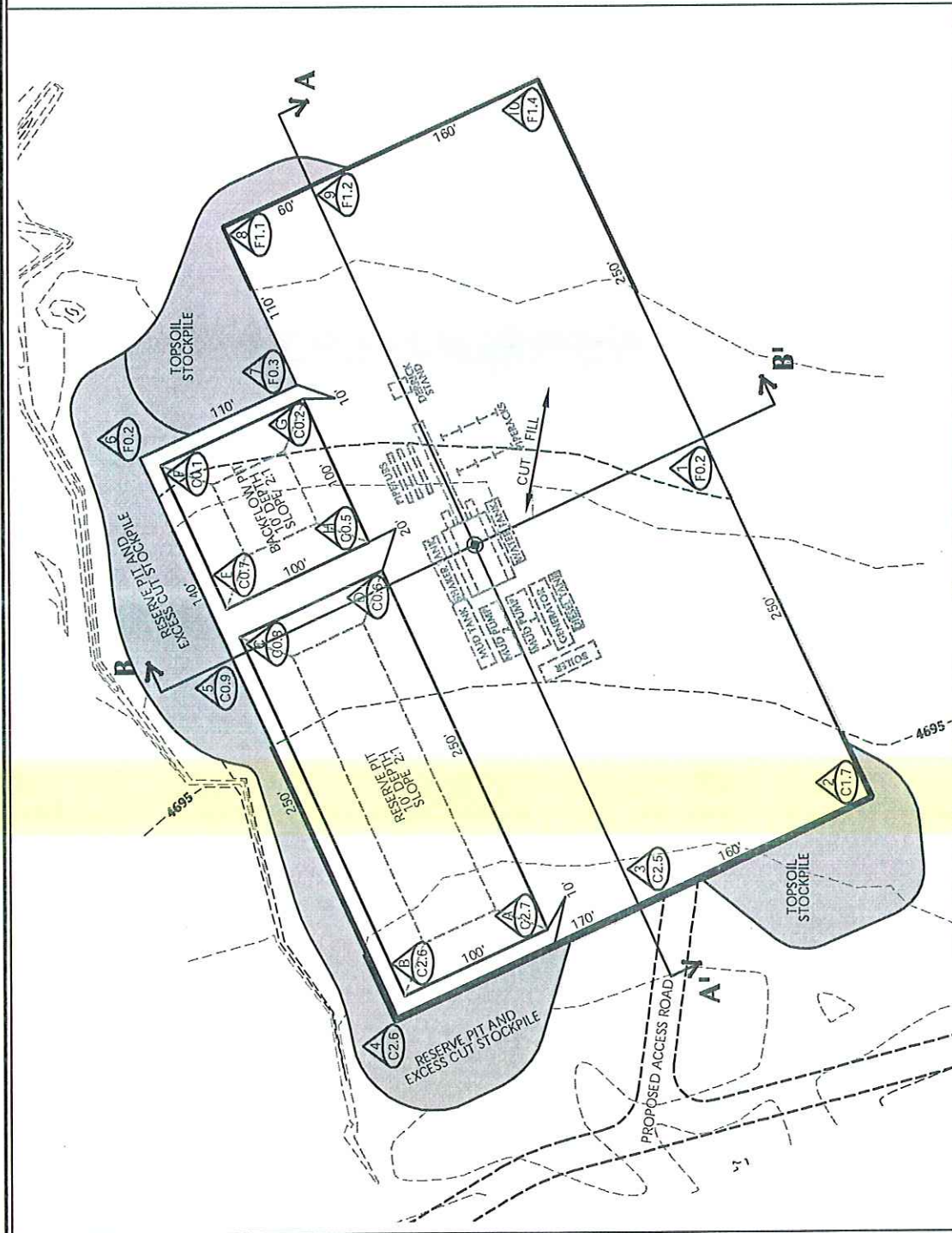
+/- 7,185 CY

BACKFLOW PIT CAPACITY (2' OF FREEBOARD)

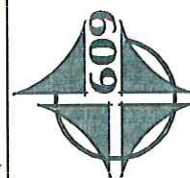
+/- 8,780 BARRELS

BACKFLOW PIT VOLUME

+/- 2,520 CY



HORIZONTAL
0 50 100
1" = 100'
1' CONTOURS



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

KERR-MCGEE OIL & GAS
ONSHORE L.P.
1099 18th Street - Denver, Colorado 80202

NBU 920-12K

WELL PAD - LOCATION LAYOUT

1913' FSL, 2179' FWL

NE1/4SW1/4, SECTION 12, T.9S., R.20E.

S.L.B.&M., UINTAH COUNTY, UTAH

SHEET NO:

2

Date: 8/15/08

BY

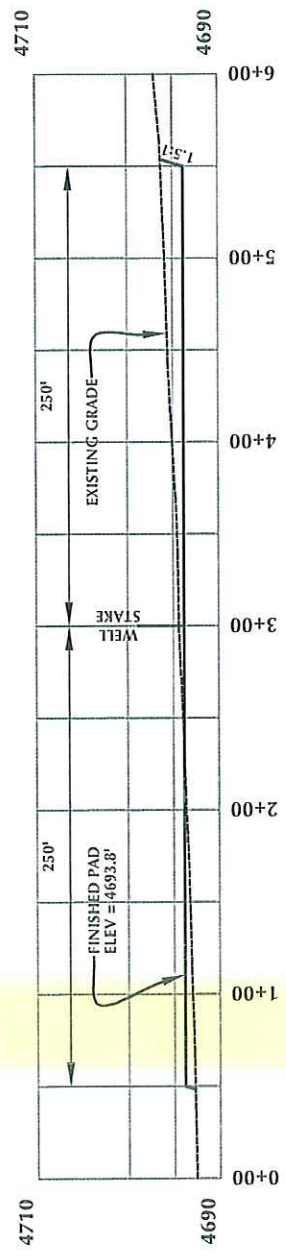
DATE

Scale: 1" = 100'

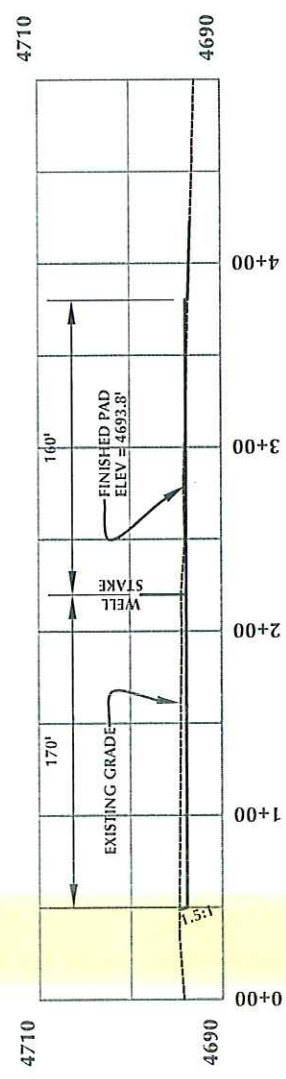
REVISED:

2 OF 9

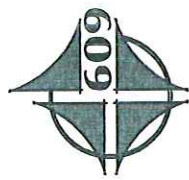
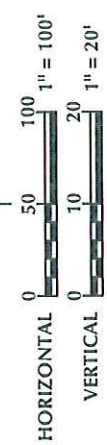
Timberline
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH
VERNAL, UTAH 84078
(435) 789-1365



CROSS SECTION A-A'



CROSS SECTION B-B'



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NBU 920-12K
WELL PAD - CROSS SECTIONS
1913' FSL, 2179' FWL
NE1/4SW1/4, SECTION 12, T.9S., R.20E.
S.L.B.&M., Uintah County, Utah

Scale: 1"=100' Date: 8/15/08
BY DATE
REVIS: 3 OF 9

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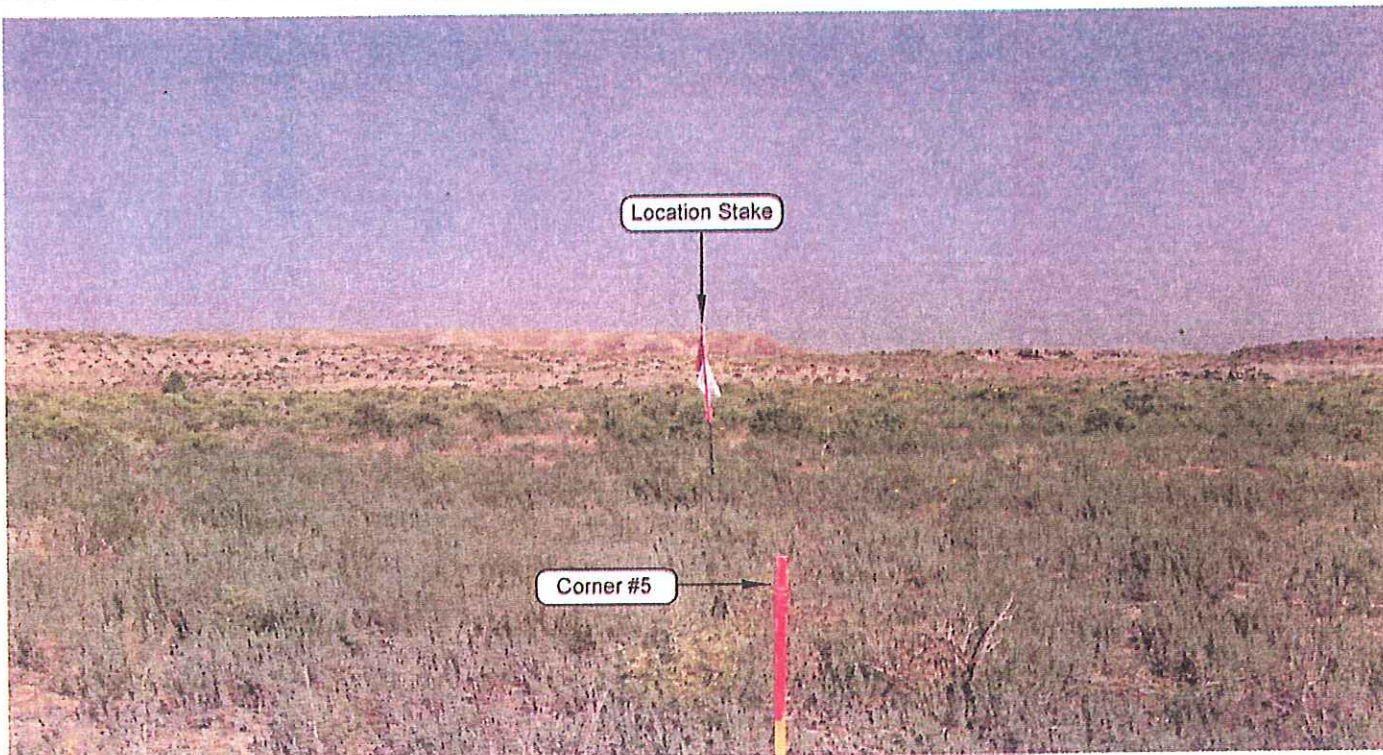


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

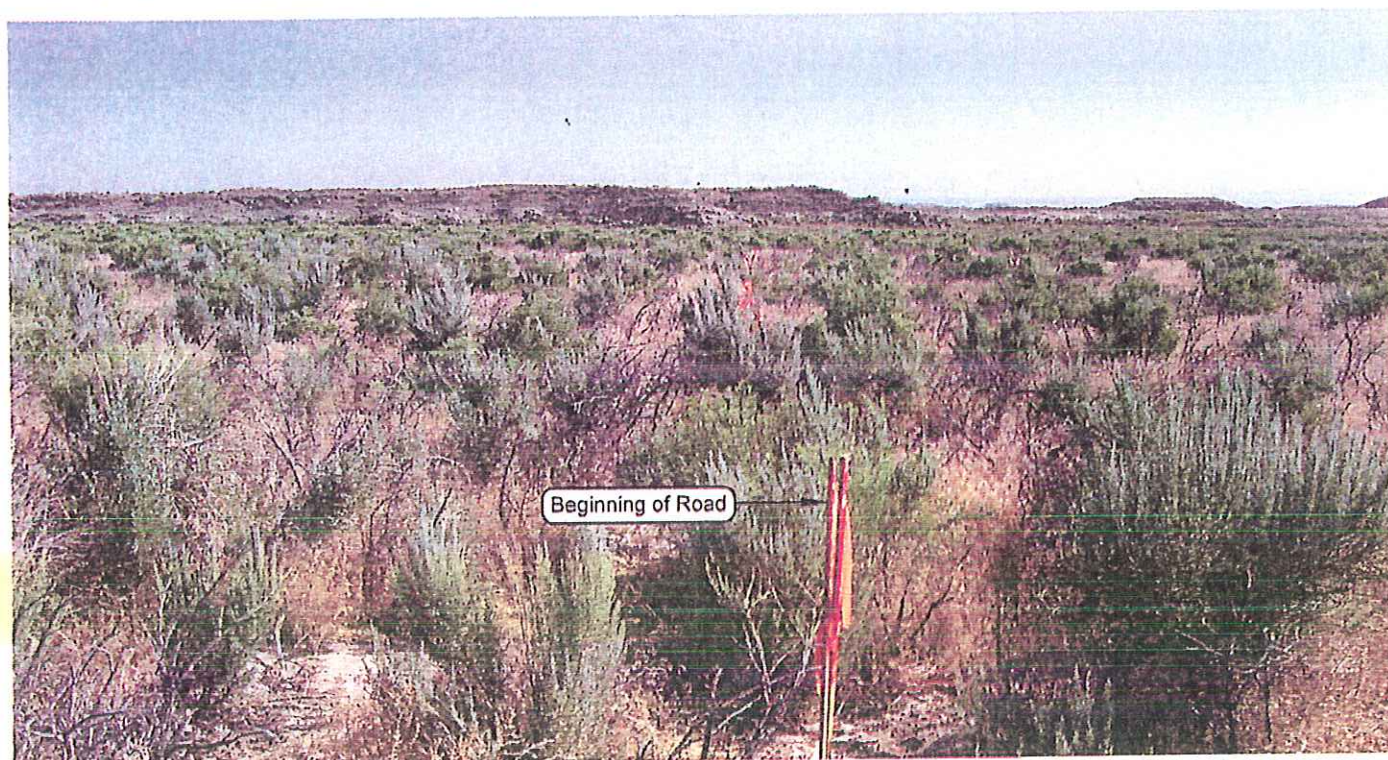


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

Kerr-McGee
Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

NBU 920-12K
 1913' FSL, 2179' FWL
 NE $\frac{1}{4}$ SW $\frac{1}{4}$ OF SECTION 12, T9S, R20E,
 S.L.B.&M. UINTAH COUNTY, UTAH.



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LOCATION PHOTOS

TAKEN BY: M.S.B.

DRAWN BY: M.W.W.

REVISED:

DATE TAKEN: 07-29-08

DATE DRAWN: 07-31-08

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 38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
 4
 OF 9

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-12K
Section 12, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 2.9 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 3.8 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE SOUTH. EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 0.7 MILES TO THE PROPOSED ACCESS ROAD FOR NBU 920-12I. FOLLOW NBU 920-12I ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1050 FEET TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 150 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.3 MILES IN A SOUTHERLY DIRECTION.